

What is claimed is:

1. An ink-jet recording sheet comprising a support having thereon an ink receiving layer containing a silica particle prepared by a wet method and a hydrophilic binder,

wherein the silica particle has an average diameter of a primary particle of not more than 10 nm and an average diameter of a second particle diameter of 10 to 300 nm; a weight ratio of the silica particle to the hydrophilic binder is 5.5 : 1 to 12 : 1; and the ink receiving layer has a surface pH value of 3.0 to 6.0.

2. The ink-jet recording sheet of claim 1,

wherein the silica particle is prepared by a gelling method.

3. The ink-jet recording sheet of claim 1,

wherein the hydrophilic binder is a polyvinyl alcohol or a polyvinyl alcohol derivative.

4. The ink-jet recording sheet of claim 1,

wherein the ink receiving layer contains a cationic compound for fixing a colorant in the ink.

5. The ink-jet recording sheet of claim 1,
wherein the support is non-water absorptive.